IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1. (Currently Amended): A low-carbon resulfurized free machining steel product excellent in finished surface roughness, comprising, on the percent by mass basis, C: 0.02% to 0.12%, Si: 0.01% or less, Mn: 1.0% to 2.0%, P: 0.05% to 0.20%, S: 0.30% to 0.60%, N: 0.007% to 0.03%, with the balance being Fe and inevitable impurities, the contents of Mn and S satisfying the following conditions: $0.40 \leq Mn*S \leq .2$ and $Mn/S \geq .0$, and the steel product having a ferrite-pearlite structure as its metallographic structure, wherein the average width (μ m) of sulfide inclusions in the steel product is $2.8*(\log d)$ or more, wherein d is the diameter (mm) of the steel product, and pro-eutectoid ferrite in the metallographic structure has a hardness HV of 133 to 150.
- 2. (Currently Amended): A low-carbon resulfurized free machining steel product excellent in finished surface roughness comprising, on the percent by mass basis, C: 0.02% to 0.12%, Si: 0.01% or less, Mn: 1.0% to 2.0%, P: 0.05% to 0.20%, S: 0.30% to 0.60%, N: 0.007% to 0.03%, with the balance being Fe and inevitable impurities, the contents of Mn and S satisfying the following conditions 0.40 ≤Mn*S ≤ .2 and Mn/S ≥ .0, and the steel product having a ferrite-pearlite structure as its metallographic structure, wherein the average width (µm) of sulfide inclusions in the steel product is 2.8*(log d) or more, wherein d is the diameter (mm) of the steel product, and a difference in deformation resistance at a strain of 0.3 between

200°C and 25°C is 110 MPa or more and 200 MPa or less, the deformation resistances being determined at a deformation rate of 0.3 mm/min in a compression test.

- 3. (Currently Amended): The low-carbon resulfurized free machining steel product excellent in finished surface roughness according to claim 1, wherein the steel product further comprises 70 ppm or more of dissolved nitrogen.
- 4. (Currently Amended): The low-carbon resulfurized free machining steel product excellent in finished surface roughness according to claim 1, wherein the machining steel product comprises a Cr content of not more than 0.04%, and wherein the total content of Ti, Nb, V, Al and Zr is not more than 0.020%.
- 5. (Currently Amended): The low-carbon resulfurized free machining steel product excellent in finished surface roughness according to claim 1, further comprising one or both of Cu: more than 0.30% and equal to or less than 1.0% and Ni: more than 0.20% and equal to or less than 1.0%.
- 6. (Currently Amended): A method for producing a low-carbon resulfurized free machining steel product excellent in finished surface roughness, comprising casting a steel having the composition as defined in claim 1, and controlling, before the casting, free oxygen (Of) to a content of 30 ppm or more and less than 100 ppm and the ratio Of/S of Of to S to within a range from 0.005 to 0.030, Of and S being contained in molten steel before casting.

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7. (Currently Amended): The low-carbon resulfurized free machining steel product excellent in finished surface roughness according to claim 2, wherein the steel product further

comprises 70 ppm or more of dissolved nitrogen.

8. (Currently Amended): The low-carbon resulfurized free machining steel product

excellent in finished surface roughness according to claim 2, wherein the machining steel

product comprises a Cr content of not more than 0.04%, and wherein the total content of Ti,

Nb, V, Al and Zr is not more than 0.020%.

9. (Currently Amended): The low-carbon resulfurized free machining steel product

excellent in finished surface roughness according to claim 3, wherein the machining steel

product comprises a Cr content of not more than 0.04%, and wherein the total content of Ti,

Nb, V, Al and Zr is not more than 0.020%.

10. (Currently Amended): The low-carbon resulfurized free machining steel product

excellent in finished surface roughness according to claim 2, further comprising one or both of

Cu: more than 0.30% and equal to or less than 1.0% and Ni: more than 0.20% and equal to or

less than 1.0%.

11. (Currently Amended): The low-carbon resulfurized free machining steel product

excellent in finished surface roughness according to claim 3, further comprising one or both of

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Cu: more than 0.30% and equal to or less than 1.0% and Ni: more than 0.20% and equal to or less than 1.0%.

- 12. (Currently Amended): The low-carbon resulfurized free machining steel product excellent in finished surface roughness according to claim 4, further comprising one or both of Cu: more than 0.30% and equal to or less than 1.0% and Ni: more than 0.20% and equal to or less than 1.0%.
- 13. (Currently Amended): A method for producing a low-carbon resulfurized free machining steel product excellent in finished surface roughness, comprising casting a steel having the composition as defined in claim 2, and controlling, before the casting, free oxygen (Of) to a content of 30 ppm or more and less than 100 ppm and the ratio Of/S of Of to S to within a range from 0.005 to 0.030, Of and S being contained in molten steel before casting.
- 14. (Currently Amended): A method for producing a low-carbon resulfurized free machining steel product excellent in finished surface roughness, comprising casting a steel having the composition as defined in claim 3, and controlling, before the casting, free oxygen (Of) to a content of 30 ppm or more and less than 100 ppm and the ratio Of/S of Of to S to within a range from 0.005 to 0.030, Of and S being contained in molten steel before casting.
- 15. (Currently Amended): A method for producing a low-carbon resulfurized free machining steel product excellent in finished surface roughness, comprising casting a steel

having the composition as defined in claim 4, and controlling, before the casting, free oxygen (Of) to a content of 30 ppm or more and less than 100 ppm and the ratio Of/S of Of to S to within a range from 0.005 to 0.030, Of and S being contained in molten steel before casting.

- 16. (Currently Amended): A method for producing a low-carbon resulfurized free machining steel product excellent in finished surface roughness, comprising casting a steel having the composition as defined in claim 5, and controlling, before the casting, free oxygen (Of) to a content of 30 ppm or more and less than 100 ppm and the ratio Of/S of Of to S to within a range from 0.005 to 0.030, Of and S being contained in molten steel before casting.
 - 17. (Previously Presented): The steel product of claim 1, in the form of a nipple.
 - 18. (Previously Presented): The steel product of claim 1, in the form of a screw.
 - 19. (Previously Presented): The steel product of claim 1, in the form of a wire rod.
 - 20. (Previously Presented): The steel product of claim 1, in the form of a steel bar.